

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 06-273811
(43)Date of publication of application : 30.09.1994

(51)Int.Cl.

G02F 1/35
H01L 29/28
H01L 29/784

(21)Application number : 05-061839
(22)Date of filing : 22.03.1993

(71)Applicant : MITSUBISHI ELECTRIC CORP
(72)Inventor : HAMANO KOJI
KURATA TETSUYUKI
HIZUKA YUJI
FUCHIGAMI HIROYUKI

(54) OPTO-ELECTRONIC FUNCTIONAL MATERIAL AND PRODUCTION OF THIN FILM OF THE SAME

(57)Abstract:

PURPOSE: To improve electronic characteristics such as the number of carriers and mobility and optical characteristics such as nonlinear optical const. by combining a p-conjugate compd. and a specified compd.

CONSTITUTION: This material consists of a p-conjugate compd. and a compd. (Cn compd.) expressed by formula Cn ((n) is constant >60). In the material comprising the combination of a Cn compd. and a p-conjugate compd. except for Cn, electrons or charges move from the p-conjugate compd. excluding Cn compd. to the Cn compd. so that the material has excellent optical and electronic characteristics. This material is produced by various methods, and such methods are advantageous to obtain good characteristics by laminating the p-conjugate compd. and the Cn compd. as thin films or mixed in a molecular state and formed into a thin film in order to effectively induce transfer of electrons or changes between these compds.

LEGAL STATUS

[Date of request for examination] 01.04.1998
[Date of sending the examiner's decision of rejection] 17.03.2000
[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]
[Date of final disposal for application]
[Patent number]
[Date of registration]
[Number of appeal against examiner's decision of rejection]
[Date of requesting appeal against examiner's decision of rejection]
[Date of extinction of right]

Copyright (C): 1998,2003 Japan Patent Office